

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Currently Amended) A structure used as a greenhouse roof frame comprising a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on said the rectangular frame, and a principal rafter supporting said the rectangular main beam, wherein the rectangular frame is coupled to the top of each of pillars of a greenhouse; wherein the rectangular main beam comprises chords arranged in parallel at the upper and lower sides, and end vertical members provided between both ends of the chords; wherein the rectangular frame and the rectangular main beam are sterically-disposed in an inverted T shape; and wherein one end of the principal rafter is coupled to the rectangular main beam and the other end of the principal rafter is coupled to the rectangular frame at both sides of the rectangular main beam.
2. (Currently Amended) The structure according to claim 1, wherein the structure is set on a support part of a the greenhouse including the pillars in such a manner that four corners of said the rectangular frame are pinned respectively to said the top of each of the pillars, respectively.
3. (Currently Amended) The structure according to claim 1, further comprising a secondary member such as a covering material of the greenhouse and a supporting member of said the covering material.
4. (Currently Amended) A greenhouse roof frame, wherein comprising plural structures each including a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on said frame, and a principal rafter supporting said main beam which are set on a support part of a greenhouse including pillars to be adjacent to each other, wherein each of the structures comprises a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on the rectangular frame, and a principal rafter supporting the rectangular main beam; wherein the rectangular frame is coupled to the top of each of the pillars; wherein the rectangular main beam comprises chords arranged in parallel at the upper and lower sides,

and end vertical members provided between both ends of the chords; wherein the rectangular frame and the rectangular main beam are sterically-disposed in an inverted T shape; and wherein one end of the principal rafter is coupled to the rectangular main beam and the other end of the principal rafter is coupled to the rectangular frame at both sides of the rectangular main beam.

5. (Currently Amended) The greenhouse roof frame according to claim 4, wherein each of said the structures is set on a the support part of a greenhouse including pillars in such a manner that four corners of the rectangular frame constructing said structure are pinned respectively to said the top of each of the pillars, respectively.

6. (Currently Amended) The greenhouse roof frame according to claim 5, wherein said the structures adjacent to each other are set on said the support part in such a manner that corner portions of the rectangular frames constructing the structures are gathered on a plate provided on the top of each of the pillars to be pinned.

7. (Currently Amended) A greenhouse framework, wherein comprising pillars constructing a support part of a greenhouse, and plural structures each including a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on said frame, and a principal rafter supporting said main beam which are set on a the top of each of the pillars constructing a support part of a greenhouse to be adjacent to each other, wherein each of the structures comprises a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on the rectangular frame, and a principal rafter supporting the rectangular main beam; wherein the rectangular frame is coupled to the top of each of the pillars; wherein the rectangular main beam comprises chords arranged in parallel at the upper and lower sides, and end vertical members provided between both ends of the chords; wherein the rectangular frame and the rectangular main beam are sterically-disposed in an inverted T shape; and wherein one end of the principal rafter is coupled to the rectangular main beam and the other end of the principal rafter is coupled to the rectangular frame at both sides of the rectangular main beam.

8. (Currently Amended) The greenhouse framework according to claim 7, wherein each of said the structures is set on said the support part in such a manner that four corners of the rectangular frame constructing said structure are pinned respectively to said the top of each of the pillars, respectively.

9. (Currently Amended) The greenhouse framework according to claim 8, wherein said the structures adjacent to each other are set on said the support part in such a manner that corner portions of the rectangular frames constructing the structures are gathered on a plate provided on the top of each of the pillars to be pinned.

10. (Currently Amended) A greenhouse comprising a roof having a roof frame, and supported by a support part in such a manner that supporting the roof frame, wherein the roof frame comprises plural structures each including a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on said frame, and a principal rafter supporting said main beam which are set on the support part to be adjacent to each other, wherein each of the structures comprises a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on the rectangular frame, and a principal rafter supporting the rectangular main beam; wherein the rectangular frame is coupled to the top of each of pillars constructing the support part; wherein the rectangular main beam comprises chords arranged in parallel at the upper and lower sides, and end vertical members provided between both ends of the chords; wherein the rectangular frame and the rectangular main beam are sterically-disposed in an inverted T shape; and wherein one end of the principal rafter is coupled to the rectangular main beam and the other end of the principal rafter is coupled to the rectangular frame at both sides of the rectangular main beam.

11. (Currently Amended) The greenhouse according to claim 10, wherein each of the structures constructing said roof frame is set on said the support part in such a manner that four corners of the rectangular frame constructing said structure are pinned respectively to the top of each of the pillars, constructing said support part respectively.

12. (Currently Amended) The greenhouse according to claim 11, wherein said the structures adjacent each other ~~and constructing the roof frame~~ are set on said the support part in such a manner that corner portions of the rectangular frames ~~e~~onstructing the structures are gathered on a plate provided on the top of each of the pillars to be pinned.

13. (Currently Amended) A greenhouse framework building method comprising the steps of: a) building a plural structures; ~~including a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on said frame, and a principal rafter supporting said main beam;~~ and b) setting plural the structures built by said a) step on a the top of each of pillars constructing a support part of a greenhouse to be adjacent to each other, wherein each of the structures comprises a rectangular frame arranged horizontally, a rectangular main beam arranged vertically on the rectangular frame, and a principal rafter supporting the rectangular main beam; wherein the rectangular frame is coupled to the top of each of the pillars; wherein the rectangular main beam comprises chords arranged in parallel at the upper and lower sides, and end vertical members provided between both ends of the chords; wherein the rectangular frame and the rectangular main beam are sterically-disposed in an inverted T shape; and wherein one end of the principal rafter is coupled to the rectangular main beam and the other end of the principal rafter is coupled to the rectangular frame at both sides of the rectangular main beam.

14. (Currently Amended) The greenhouse framework building method according to claim 13, wherein in said b) step, each of the structures built by said a) step is set on said the support part in such a manner that four corners of the rectangular frame ~~e~~onstructing said structure are pinned respectively to the top of each of the pillars, respectively.

15. (Currently Amended) The greenhouse framework building method according to claim 14, wherein in said b) step, the structures adjacent each other ~~and built by said a) step~~ are set on said the support part in such a manner that corner portions of the rectangular frames ~~e~~onstructing said structures are gathered on a plate provided on the top of each of the pillars to be pinned.

16. (Currently Amended) The greenhouse framework building method according to ~~any one~~
of claim[[s]] 13, wherein each of the structures built by said a) step ~~includes~~ further comprises a
secondary member such as a covering material of the greenhouse and a supporting member of
said covering material.